

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 1208-11WO	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/CA 03/01295	International filing date (day/month/year) 22/08/2003	(Earliest) Priority Date (day/month/year) 23/08/2002
Applicant ALBERTA RESEARCH COUNCIL INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (see Box II).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

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☐ None of the figures.

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Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

A thermophotovoltaic device (10) includes an energy source (12) compatible with thermophotovoltaic cells (14). A filter (16), adapted to filter out long wavelength energy, is positioned between the energy source (12) and the thermophotovoltaic cells (14). The filter (16) has dual walls (30

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CLASSIFICATION OF SUBJECT MATTER
PC 7 H01L31/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 512 109 A (FRAAS LEWIS M ET AL) 30 April 1996 (1996-04-30) column 2, line 39 - line 44	1,2,4-7
X	US 5 092 767 A (DEHLSSEN JAMES G P) 3 March 1992 (1992-03-03) column 4, line 19 - line 41	1,4,5,7
A	US 5 551 992 A (FRAAS LEWIS M) 3 September 1996 (1996-09-03) cited in the application column 5, line 48 - line 61	1-7
A	US 4 707 560 A (HOTTEL HOYT C ET AL) 17 November 1987 (1987-11-17) column 5, line 26 - line 31	1-7

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

8 November 2004

Date of mailing of the international search report

23/11/2004

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5512109	A	30-04-1996	US 5439532 A	08-08-1995
			US 5383976 A	24-01-1995
			US 5312521 A	17-05-1994
			US 5551992 A	03-09-1996
			US 5403405 A	04-04-1995
			US 5401329 A	28-03-1995
US 5092767	A	03-03-1992	US 5044939 A	03-09-1991
			WO 9207225 A1	30-04-1992
US 5551992	A	03-09-1996	US 5512109 A	30-04-1996
			US 5439532 A	08-08-1995
			US 5383976 A	24-01-1995
			US 5312521 A	17-05-1994
			AU 5562396 A	29-11-1996
			WO 9636077 A1	14-11-1996
			US 5403405 A	04-04-1995
			US 5401329 A	28-03-1995
US 4707560	A	17-11-1987	AU 1181988 A	15-07-1988
			CA 1271521 A1	10-07-1990
			DE 3787972 D1	02-12-1993
			DE 3787972 T2	28-04-1994
			EP 0336935 A1	18-10-1989
			ES 2005485 A6	01-03-1989
			JP 2502692 T	23-08-1990
			WO 8804859 A1	30-06-1988

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